

In the claims:

1. (Currently Amended) A composition, comprising:
  - a basic component selected from the group consisting of beryllium oxide, zinc oxide, copper oxide, magnesium oxide, calcium oxide, strontium oxide, barium oxide, and salts thereof; reactive glasses; and combinations thereof;
  - an acidic component;
  - at least one monoacrylate component, wherein the acidic component and the monoacrylate component are different compounds;
  - a light sensitive initiator[.];
  - a polar binder;
  - a viscosity modifier; and
  - a surface tension modifier;
  - wherein the basic component is in the form of a powder and is cation releasing in the presence of the acidic component, the released cations from the basic component mediating crosslinking and solidification of the acidic component;
  - wherein the polar binder includes the viscosity modifier and the surface tension modifier;
  - wherein the light sensitive initiator initiates a polymerization reaction between monomers of the at least one monoacrylate component [[and]] by free radicals formed [[by the light sensitive initiator occurs]] when the light sensitive initiator is exposed to optical energy while being present with the monoacrylate component;
  - and wherein the [[a]] polar binder comprising a viscosity modifier and a surface tension modifier, wherein the polar binder is capable of stimulating a crosslinking reaction between the basic component and the acidic component.
2. (Original) The composition of claim 1, wherein the light sensitive initiator is selected from ultraviolet initiators, visible initiators, and combinations thereof.

3. (Original) The composition of claim 1, further comprising components selected from a retardant, an inhibitor, a wetting agent, a colorant, and combinations thereof.

4. (Currently Amended) The composition of claim 1, wherein the ~~basic component and the~~ acidic component ~~[[are]]~~ is in the form of a powder; and wherein the polar binder further includes a polar solvent, ~~[[a]]~~ the at least one monoacrylate component, ~~the surface tension modifier, the viscosity modifier,~~ and the light sensitive initiator.

5. (Currently Amended) The composition of claim 1, ~~wherein the basic component is in the form of a powder;~~ wherein the polar binder further includes a polar solvent, the acidic component, ~~[[a]]~~ the at least one monoacrylate component, ~~the surface tension modifier, the viscosity modifier,~~ and the light sensitive initiator.

6. (Currently Amended) The composition of claim 1, wherein the ~~basic component and a first~~ acidic component ~~[[are]]~~ is in the form of a powder; wherein the polar binder further includes a polar solvent, a second acidic component, ~~[[a]]~~ the at least one monoacrylate component, ~~the surface tension modifier, the viscosity modifier,~~ and the light sensitive initiator.

7. (Previously Presented) The composition of claim 4, wherein the powder components have a particle size from about 1 to 100 microns.

8. (Original) The composition of claim 1, wherein the viscosity modifier is selected from ethanol, hexanediol, pentanediol, ethylene glycol diacetate, potassium aluminium sulphate, isopropanol, ethylene glycol monobutyl ether, diethylene monobutyl ether, dodecyldimethylammonium propoane sulphonate, glycerine triacetate, ethyl acetoacetate, polyvinyl pyrrolidone, polyethylene glycol, polyacrylic acid, sodium polyacrylate, and combinations thereof.

9. (Original) The composition of claim 1, wherein the surface tension modifier is selected from ethanol, hexanediol, pentanediol, tergitols, ethylene glycols, fluorosurfactants, and combinations thereof.

10. (Cancelled)

11. (Original) The composition of claim 1, wherein the acidic component is selected from alginic acid, gum arabic, nucleic acids, pectins, proteins, carboxymethylcellulose, ligninsulphonic acids, acid-modified starch, polyacrylic acid, polymethacrylic acid, polymethacrylic acid copolymer with methyl methacrylate, polyvinyl sulphonic acid, polystyrene sulphonic acid, polysulphuric acid, polyvinyl phosphonic acid, polyvinyl phosphoric acid, the homo- and copolymers of unsaturated aliphatic carbonic acids, the anhydrides of the unsaturated aliphatic carbonic acids, and combinations thereof.

12 – 21. (Canceled)